

Claims

1. Flow restriction (1, 11) to be fitted in a fluid line (4, 5), comprising a conduit part (2, 12), provided with a baffle (3, 13, 23) that is provided with an opening (6, 16, 26) which  
5 links the upstream and downstream section of said line, wherein said opening (6, 16, 26) is provided in said baffle with a diameter dimension of between 1 and 50  $\mu\text{m}$ , characterised in that said baffle has a thickness of between 0.05 and 0.5 mm and in that said conduit part and said baffle are produced from one piece of plastic material.
- 10 2. Flow restriction according to Claim 1, having at least two openings.
3. Flow restriction according to Claim 1 or 2, wherein said opening has a diameter dimension of between 5 and 40  $\mu\text{m}$ .
- 15 4. Flow restriction according to one of the preceding claims, wherein said baffle has a thickness of between 0.1 and 0.3 mm.
5. Flow restriction according to one of the preceding claims, constructed such that when the pressure is increased the flow rate increases in accordance with Poiseuille's equation.  
20
6. Flow restriction according to one of the preceding claims, wherein there are at least ten openings.
7. Flow restriction according to one of the preceding claims, wherein said opening is  
25 conical, with the axis of the cone coincident with the axis of the opening, and said opening widens in the direction of flow of said fluid.
8. Flow restriction according to one of the preceding claims, comprising polycarbonate material.  
30
9. Flow restriction according to one of the preceding claims, wherein said conduit part is designed to receive a further line (4).

10. Flow restriction according to Claim 9, having a self-seeking edge (18, 19).

11. Flow restriction according to one of the preceding claims, wherein said conduit part comprises a coupling piece (12).

5

12. Flow restriction according to one of the preceding claims, having identification means.

10 13. Flow restriction according to one of the preceding claims, wherein said baffle extends essentially perpendicularly to said conduit part.

14. Flow restriction according to one of the preceding claims, wherein said opening has a slot (24).

15 15. Metering device having a flow restriction according to one of the preceding claims.

16. Metering device according to Claim 15, comprising a medical metering device.

20 17. Method for the production of a restriction, comprising the provision of a plastic conduit part (2, 12), provided with a closing baffle (3, 13, 23), wherein said conduit part and baffle are produced as one part by injection moulding.

18. Method according to Claim 16, comprising making an opening with a diameter of 1 - 50  $\mu\text{m}$  in said baffle using a laser device.

25

19. Method according to one of Claims 17 or 18, wherein said laser comprises an excimer laser.

30 20. Method according to one of Claims 17 - 19, wherein making an opening in said baffle using a laser device comprises the use of a mask, positioned between said baffle and said laser device.